

Appln. of: STEWART et al.
Serial No.: 09/727,466
Filed: December 4, 2000

In the Claims

1. (Currently Amended) A video color signal transmission system comprising:
a plurality of selectable sources of sets of video color signals, each set selectable for transmission and including red, green and blue video color signals,

a plurality of transmitters, one of each for one of each of said red, green and blue video color signals of a selected said set, each said transmitter including:

a single ended to balanced signal converter responsive to each said video color signal, thereby providing sets of balanced red, green and blue video color signal outputs,

a transmission cable comprising:

a plurality of twisted pair communications lines, each twisted pair communications line having a first end and a second end, said first end of each said twisted pair communications line coupled to a one of said balanced video color signal outputs and said second end of each said twisted pair communications line providing a balanced one of said red, green and blue video color signal outputs, with a twist rate of each said twisted pair communications line effecting a signal delay;

a plurality of receivers, one of each for one of each said red, green and blue video color signal, each said receiver comprising:

a balanced input coupled to said second end of a respective said communications line of said communications cable,

an amplifier and balanced to single ended converter coupled to said balanced input, and

a single-ended video signal color output ~~couplable~~ coupled from said balanced to single-ended converter to a selected one of a plurality of monitors[;].

~~said transmission system also including a high frequency booster for each said video color signal.~~

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2. (Original) A transmission system as set forth in claim 1 wherein said twist rate of at least two of said twisted pair communications lines is different.

3. (Original) A transmission system as set forth in claim 1 further comprising a signal delay circuit coupled to one of each of at least two of said second ends of each said twisted pair communications line wherein said two of said three video color signals are delayed.

4. (Original) A transmission system as set forth in claim 3 wherein each said signal delay circuit provides a different delay to two of said three video color signals.

5. (Original) A transmission system as set forth in claim 3 wherein each said signal delay circuit includes a transmission line of selectively variable length and switches for selectively inserting one of more of a length of said transmission line, providing a selection of one of a plurality of signal delays.

6. (Currently Amended) A transmission system as set forth in claim 1 wherein the twist rate of said twisted pair communications line carrying the red video color signal has a lowest twist rate and the twisted pair communications line having a next largest twist rate carries the green video color signal.

7. (Currently Amended) A transmission system as set forth in claim 1 wherein:
said transmission cable includes a synchronization twisted pair communications line having first and second ends,

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a source of synchronization signals coupled to said first end of said synchronization twisted pair communications line, and said second end of said synchronization twisted pair communications line being ~~coupleable~~ coupled to said ~~monitor~~ selected one of said plurality of monitors; and

said synchronization twisted pair communications line has a highest twist rate of any of said twisted pair communications lines of said cable.

8. (Currently Amended) A ~~video-color~~ transmission system as set forth in claim 1 including a high frequency video color signal boost circuit for each said video color signal, each said high frequency video color signal boost circuit being incorporated in a respective said balanced to single-ended converter ~~output circuitry~~.

9. (Currently Amended) A ~~video-color~~ transmission system as set forth in claim 8 wherein each of said high frequency video color signal boost circuits includes a plurality of reactances, each of said plurality of reactances having a time constant for boosting a particular frequency range.

10. (Original) A transmission system as set forth in claim 3 wherein each said signal delay circuit is a balanced transmission line.